Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	235/435,462.01,462.46,472.01-472.02.ccls. and 382/232,236,309,321.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 14:51
L2	1	715/536.ccls. and conver$5 with big5 near10 unicode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:00
L3	1	715/536.ccls. and conver$5 same big5 near10 unicode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:00
L4	1	"715"/$.ccls. and conver$5 same big5 near10 unicode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:00
L5	62	"715"/$.ccls. and "235"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:00
L6	0	"715"/536,542,703.ccls. and "235"/462.01,462.46.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:15
L7	5	"715"/536,542,703.ccls. and 709/217-219,246-247.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:03
L8	1213	language$4 near10 conver$6 near10 character$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:05
L9	24	language$4 near10 conver$6 near10 character$4 and 715/536.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:15

L10	39	infrared near10 conver$4 near10 character$1 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:09
L11	34	infrared near10 conver$4 near10 character and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:10
L12	0	software near10 languag$4 near10 unicode near10 big5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:36
L13	8	unicode near10 big5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:15
L14	0	"715"/536,542,703.ccls. and 710/70.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:15
L15	0	language$4 near10 conver$6 near10 character$4 and 710/70. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:15
L16	5	software near10 languag$4 near10 unicode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:39
L17	767	languag$4 near10 convers$4 and portable$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:40
L18	474	languag$4 near10 convers$4 and PDA$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:40
L19	877	languag$4 near10 convert$4 and PDA$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:40

L20	1	languag$4 near10 convert$4 and PDA$4 and big5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:41
L21	40	languag$4 near10 convert$4 and PDA$4 and unicode$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:42
L22	13	languag$4 near10 convert$4 and PDA$4 and unicode$1 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:43
L23	87	languag$4 near10 convert$4 and frequent$4 near10 word$4 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:48
L24	102	languag$4 near10 convert$4 and unique$4 near10 word$4 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:48
L25	299	languag$4 near10 select$4 and unique$4 near10 word$4 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 15:48
S1	3161	computer$3 near10 automobile$1 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/18 09:05
S2	100	computer$3 near10 automobile$1 near10 clock$1 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/18 09:05
S3	2	"19508017"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 14:40
S4	34	infrared near10 conver$4 near10 character and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/18 09:04

S5	39	infrared near10 conver$4 near10 character$1 and @ad<"20010601"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/12 09:31

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1 Pen computing: a technology overview and a vision
André Meyer
July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3
Full text available: pdf(5.14 MB) Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

2 Poster Sessions: Chinese string searching using the KMP algorithm
Robert W. P. Luk
August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 2**
Full text available: pdf(397.79 KB) Additional Information: full citation, abstract, references

This paper is about the modification of KMP (Knuth, Morris and Pratt) algorithm for string searching of Chinese text. The difficulty is searching through a text string of single-and multi-byte characters. We showed that proper decoding of the input as sequences of characters instead of bytes is necessary. The standard KMP algorithm can easily be modified for Chinese string searching but at the worst-case time-complexity of *O(3n)* in terms of the number of comparisons. The finite-automaton ...

3 A browsing tool of multi-lingual documents for users without multi-lingual fonts
Tetsuo Sakaguchi, Akira Maeda, Takehisa Fujita, Shigeo Sugimoto, Koichi Tabata
April 1996 **Proceedings of the first ACM international conference on Digital libraries**
Full text available: pdf(789.68 KB) Additional Information: full citation, references, citings, index terms

4 Learning evaluation functions to improve optimization by local search
Justin Boyan, Andrew W. Moore
September 2001 **The Journal of Machine Learning Research**, Volume 1
Full text available: pdf(643.21 KB) Additional Information: full citation, abstract

This paper describes algorithms that learn to improve search performance on large-scale optimization tasks. The main algorithm, STAGE, works by learning an evaluation function that predicts the outcome of a local search algorithm, such as hillclimbing or Walksat, from features of states visited during search. The learned evaluation function is then used to bias future search trajectories toward better optima on the same problem. Another algorithm, X-STAGE, transfers previously learned evaluation ...

5 Fixed versus variable order Runge-Kutta

L. F. Shampine, L. S. Baca

March 1986 **ACM Transactions on Mathematical Software (TOMS)**, Volume 12 Issue 1

Full text available: pdf(1.61 MB) Additional Information: full citation, abstract, references, index terms, review

Popular codes for the numerical solution of nonstiff ordinary differential equations (ODEs) are based on a (fixed order) Runge-Kutta method, a variable order Adams method, or an extrapolation method. Extrapolation can be viewed as a variable order Runge-Kutta method. It is plausible that variation of order could lead to a much more efficient Runge-Kutta code, but numerical comparisons have been contradictory. We reconcile previous comparisons by exposing differences in testing me ...

6 Satchel: providing access to any document, any time, anywhere

Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury

September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 3

Full text available: pdf(591.29 KB) Additional Information: full citation, abstract, references, citings, index terms

Current solutions for providing access to electronic documents while away from the office do not meet the special needs of mobile document workers. We describe "Satchel," a system that is designed specifically to support the distinctive features of mobile document work. Satchel is designed to meet the following five high-level design goals (1) easy access to document services; (2) timely document access; (3) streamlined user interface; (4) ubiquity; and (5)compliance with securi ...

Keywords: document access, document appliance, document processing, information appliance, mobile computing, mobile work

7 Japanese language handling in APL environments

Kyosuke Saigusa

July 1998 **ACM SIGAPL APL Quote Quad , Proceedings of the APL98 conference on Array processing language**, Volume 29 Issue 3

Full text available: pdf(555.47 KB) Additional Information: full citation, abstract, references, index terms

While Japan is amongst the first countries to use APL back in the early 1970's and enjoyed at one time as high as 40% of IBM main-frame customers using APL, the lack of Japanese language support of APL in popular computing environments today such as UNIX/AIX, OS/2 and Windows seems to be driving APL out of the scene.This paper tries to bring up this subject more officially than I have done in the past for more public discussion not only for Japan, but also for those countries, where the characte ...

8 Document creation I: Creating structured PDF files using XML templates

Matthew R. B. Hardy, David F. Brailsford, Peter L. Thomas

October 2004 **Proceedings of the 2004 ACM symposium on Document engineering**

Full text available: pdf(166.87 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a tool for recombining the logical structure from an XML document with

the typeset appearance of the corresponding PDF document. The tool uses the XML representation as a template for the insertion of the logical structure into the existing PDF document thereby creating a Structured/Tagged PDF. The addition of logical structure adds value to the PDF in three ways: the accessibility is improved (PDF screen readers for visually impaired users perform better) media options a ...

Keywords: PDF, XML, logical structure insertion

9 Linguistic resource creation for research and technology development: A recent experiment

Stephanie Strassel, Mike Maxwell, Christopher Cieri

June 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 2 Issue 2

Full text available: pdf(186.39 KB) Additional Information: full citation, abstract, references, index terms

Advances in statistical machine learning encourage language-independent approaches to linguistic technology development. Experiments in "porting" technologies to handle new natural languages have revealed a great potential for multilingual computing, but also a frustrating lack of linguistic resources for most languages. Recent efforts to address the lack of available resources have focused either on intensive resource development for a small number of languages or development of technologies fo ...

Keywords: Cebuano, Hindi, Machine translation, crosslanguage, information extraction, information retrieval, language parsing and understanding, linguistic resources, machine translation, summarization, text analysis, translingual information access technology

10 The use of computer-simulated radiances to retrieve total atmospheric ozone data from satellite-mounted infrared multifilter radiometers

Patrick P. Weidhaas

March 1981 **Proceedings of the 14th annual symposium on Simulation**

Full text available: pdf(827.15 KB) Additional Information: full citation, abstract, references, index terms

Between March 1977 and February 1980, four satellites equipped with multichannel filter radiometer (MFR) sensors supplied infrared radiance data at various spectral channels. The Satellite Ozone Analysis Center (SOAC) at the Lawrence Livermore National Laboratory received the radiance data from the U.S. Air Force. An ozone retrieval model was developed by SOAC in order to derive total ozone values from the radiance data. Statistical comparison against a network of ground observatories which ...

11 A compression-based algorithm for Chinese word segmentation

W. J. Teahan, Rodger McNab, Yingying Wen, Ian H. Witten

September 2000 **Computational Linguistics**, Volume 26 Issue 3

Full text available: pdf(1.34 MB) Additional Information: full citation, abstract, references, citings

Publisher Site

Chinese is written without using spaces or other word delimiters. Although a text may be thought of as a corresponding sequence of words, there is considerable ambiguity in the placement of boundaries. Interpreting a text as a sequence of words is beneficial for some information retrieval and storage tasks:for example, fulltext search, word-based compression, and keyphrase extraction. We describe a scheme that infers appropriate positions for word boundaries using an adaptive language model that ...

12 P11: Single-source indexing

Jan C. Wright

October 2001 **Proceedings of the 19th annual international conference on Computer documentation**

Full text available: pdf(296.90 KB) Additional Information: full citation, abstract, citings, index terms

As more and more content is being produced and distributed in multiple formats, the issue of providing indexes for various formats becomes important. Indexes can be considered as residing within interfaces, rather than just more pages accompanying a printed piece, or a tab stuck in a online help file. Designing indexes that work equally well in any of the various interfaces a document may be displayed in, whether print, help, PDF, or on the Web, presents a real challenge.Understanding the struct ...

Keywords: indexing, single-sourcing

13 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4

Full text available: pdf(207.51 KB) Additional Information: full citation, abstract, references, citings, index terms

Mobile professionals require access to documents and document‐related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face‐to‐face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

14 Poster session: Converting on-line bilingual dictionaries from human-readable to machine-readable form

James Mayfield, Paul McNamee

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available: pdf(201.99 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe a language called ABET that allows rapid conversion of on-line human-readable bilingual dictionaries to machine-readable form.

Keywords: bidicts, bilingual dictionaries, cross-language information retrieval, information extraction, scripting languages

15 A comparison of Chinese document indexing strategies and retrieval models

Robert W. P. Luk, K. L. Kwok

September 2002 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 1 Issue 3

Full text available: pdf(419.42 KB) Additional Information: full citation, abstract, references, index terms

With the advent of the Internet and intranets, substantial interest is being shown in Asian language information retrieval; especially in Chinese, which is a good example of an Asian ideographic language (other examples include Japanese and Korean). Since, in this type of language, spaces do not delimit words, an important issue is which index terms should be extracted from documents. This issue also has wider implications for indexing other languages such as agglutinating languages (e.g., Finni ...

Keywords: Chinese information retrieval, comparison, indexing strategies

16 Papers: Identifying, the coding system and language, of on-line documents on the Internet
Gen-itiro Kikui
August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 2**
Full text available: pdf(523.04 KB) Additional Information: full citation, abstract, references

This paper proposes a new algorithm that simultaneously identifies the coding system and language of a code string fetched from the Internet, especially World-Wide Web. The algorithm uses statistic language models to select the correctly decoded string as well as to determine the language. The proposed algorithm covers 9 languages and 11 coding systems used in Eastern Asia and Western Europe. Experimental results show that the level of accuracy of our algorithm is over 95% for 640 on-line docume ...

17 Polyglot Emacs 20.4: A look at multilingual Emacs
Jon Babcock
March 1999 **Linux Journal**
Full text available: html(23.41 KB) Additional Information: full citation, references, index terms

18 Adaptive Hindi OCR using generalized Hausdorff image comparison
Huanfeng Ma, David Doermann
September 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 2 Issue 3
Full text available: pdf(280.45 KB) Additional Information: full citation, abstract, references, index terms

We present an adaptive Hindi OCR implemented as part of a rapidly retargetable language tool effort. The system includes: script identification, character segmentation, training sample creation, and character recognition. In script identification, Hindi words are identified from bilingual or multilingual documents based on features of the Devanagari script or using Support Vector Machines. Identified words are then segmented into individual characters in the next step, where the composite charac ...

Keywords: Optical character recognition (OCR), document processing, generalized Hausdorff image comparison, script identification

19 Electronics books for technical learning: Development of a standard format for eBooks
Won-Sung Sohn, Seung-Kyu Ko, Yoon-Chui Choy, Kyong-Ho Lee, Sung-Hyuk Kim, Soon-Bum Lim
March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**
Full text available: pdf(517.27 KB) Additional Information: full citation, abstract, references, index terms

Since an electronic book (eBook) has various advantages over a paper-based book, there is a growing interest in eBooks. EBook industries are using different document formats creating difficulties in the interoperability and interchangeability of eBooks. The U.S. and Japan have realized the importance of a standard format for eBooks and developed such standards. Recently, Korea has also developed a standard format based on XML. The primary goal of this standard is to support the interchangeabilit ...

Keywords: XML, a standard format, an electronic book, eBook

20 Tablet: personal computer of the year 2000
B. W. Mel, S. M. Omohundro, A. D. Robison, S. S. Skiena, K. H. Thearling

June 1988 **Communications of the ACM**, Volume 31 Issue 6

Full text available: pdf(1.67 MB) Additional Information: full citation, abstract, references, citings, index terms

A design represents a compromise between conflicting goals, and the design of the personal computer of the year 2000 is no exception. We seek something that will fit comfortably into people's lives while dramatically changing them. This may appear to be a contradiction that cannot be reconciled. But if the technology does not fit easily into the habits and lifestyles of its human users, it will be discarded by those it was meant to help. And if this new tool does not change the life of its ...

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